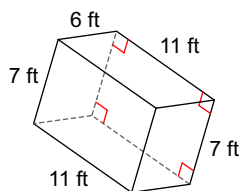


Assignment

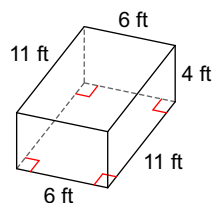
Date _____ Period _____

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

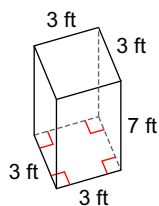
1)



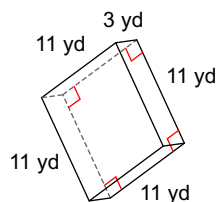
2)



3)



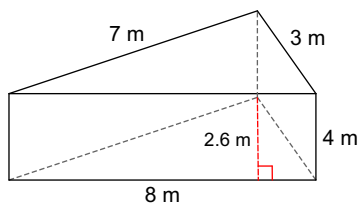
4)



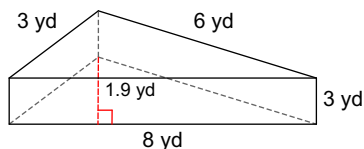
5) A rectangular prism measuring 9 cm and 5 cm along the base and 8 cm tall.

6) A rectangular prism measuring 2 cm and 4 cm along the base and 12 cm tall.

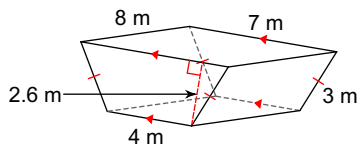
7)



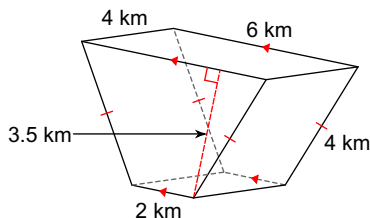
8)



9)

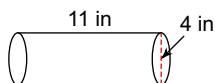


10)

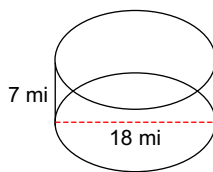


Find the volume of each figure. Leave your answers in terms of π for answers that contain π .

11)

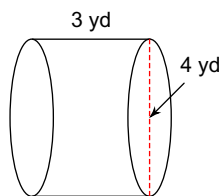


12)

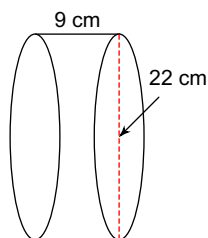


Find the surface area of each figure. Leave your answers in terms of π .

13)

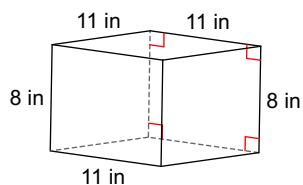


14)

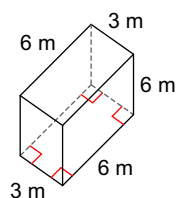


Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

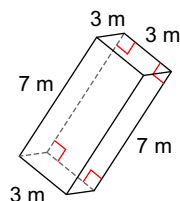
15)



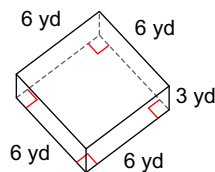
16)



17)

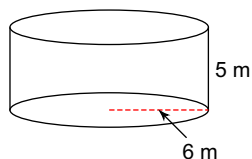


18)

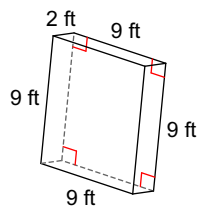


Given the volume of the shape below, find the missing side length.

19)

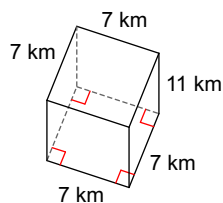


20)

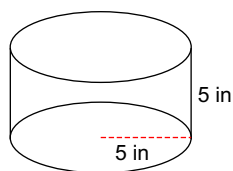


Given the surface area of the shape below, find the missing side length.

21)



22)

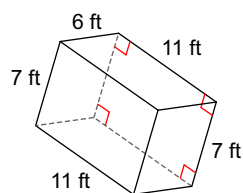


Assignment

Date _____ Period _____

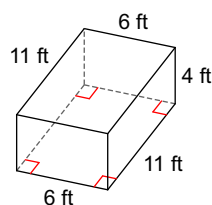
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

1)



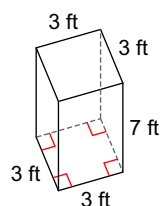
462 ft³

2)



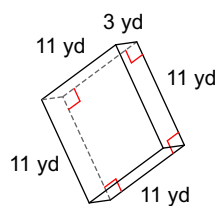
264 ft³

3)



63 ft³

4)



363 yd³

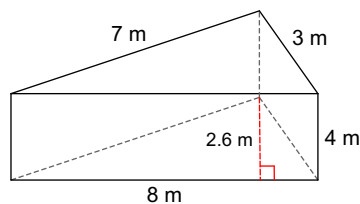
5) A rectangular prism measuring 9 cm and 5 cm along the base and 8 cm tall.

360 cm³

6) A rectangular prism measuring 2 cm and 4 cm along the base and 12 cm tall.

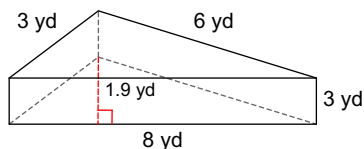
96 cm³

7)



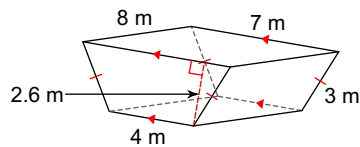
41.6 m³

8)



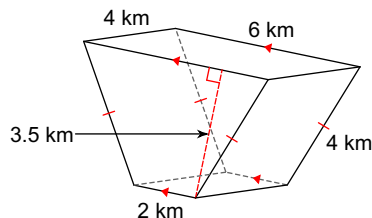
22.8 yd³

9)



114.4 m³

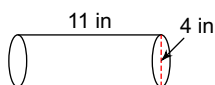
10)



56 km³

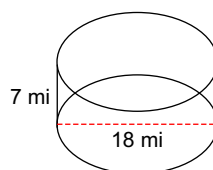
Find the volume of each figure. Leave your answers in terms of π for answers that contain π .

11)



44π in³

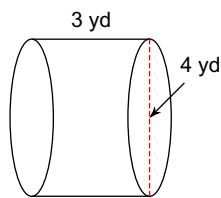
12)



567π mi³

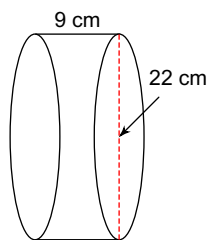
Find the surface area of each figure. Leave your answers in terms of π .

13)



$$20\pi \text{ yd}^2$$

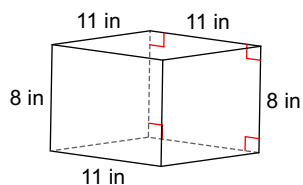
14)



$$440\pi \text{ cm}^2$$

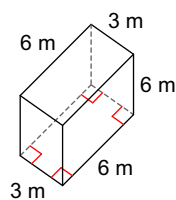
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

15)



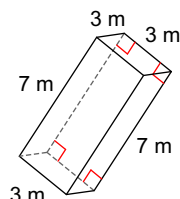
$$594 \text{ in}^2$$

16)



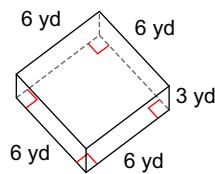
$$144 \text{ m}^2$$

17)



$$102 \text{ m}^2$$

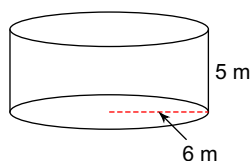
18)



$$144 \text{ yd}^2$$

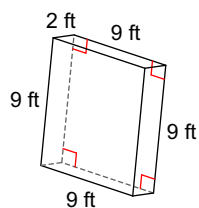
Given the volume of the shape below, find the missing side length.

19)



$$180\pi \text{ m}^3$$

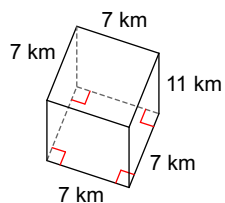
20)



$$162 \text{ ft}^3$$

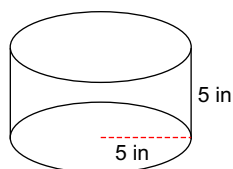
Given the surface area of the shape below, find the missing side length.

21)



$$406 \text{ km}^2$$

22)



$$100\pi \text{ in}^2$$